Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L12	07316366	0	L12
L11	316366	4	L11
L10	l3 near5 act	28	L10
L9	l4 and silicone	1	L9
DB=DWPI; PLUR=YES; OP=ADJ			
L8	6255440	1	L8
DB=USPT; PLUR=YES; OP=ADJ			
L7	l4 and L6	4	L7
L6	graft or grafted or maleic or modified or lubricant	789323	L6
L5	glycidyl and L4	3	L5
L4	6221946 or 5079330	5	L4
L3	release agent near4 lubricant	2082	L3
DB=DWPI; PLUR=YES; OP=ADJ			
L2	07316366	1	L2
DB=USPT; PLUR=YES; OP=ADJ			
L1	('6221946'| '5079330')[PN]	2	L1

END OF SEARCH HISTORY

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L12	07316366	0	L12
L11	316366	4	L11
L10	l3 near5 act	28	L10
L9	l4 and silicone	1	L9
DB=DWPI; PLUR=YES; OP=ADJ			
L8	6255440	1	L8
DB=USPT; PLUR=YES; OP=ADJ			
L7	l4 and L6	4	L7
L6	graft or grafted or maleic or modified or lubricant	789323	L6
L5	glycidyl and L4	3	L5
L4	6221946 or 5079330	5	L4
L3	release agent near4 lubricant	2082	L3
DB=DWPI; PLUR=YES; OP=ADJ			
L2	07316366	1	L2
DB=USPT; PLUR=YES; OP=ADJ			
L1	('6221946'| '5079330')[PN]	2	L1

END OF SEARCH HISTORY

WEST

End of Result Set

Generate Collection Print

L8: Entry 1 of 1 File: DWPI Feb 3, 2000

DERWENT-ACC-NO: 2000-171410
DERWENT-WEEK: 200176

TITLE: Copolyacetal obtained by copolymerizing trioxane with a glycidyl ether compound and a cyclic ether compound, having high rigidity, excellent creep properties, high surface hardness and excellent sliding properties

INVENTOR: OKAWA, H; TAJIMA, Y

PATENT-ASSIGNEE:

ASSIGNEE	CODE
POLYPLASTICS KK	POPL

PRIORITY-DATA: 1998JP-0209764 (July 24, 1998), 1998JP-0209762 (July 24, 1998), 1998JP-0209763 (July 24, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200005285 A1	February 3, 2000	J	026	C08G002/22
CN 1310732 A	August 29, 2001		000	C08G002/22
JP 2000038429 A	February 8, 2000		006	C08G002/22
JP 2000095829 A	April 4, 2000		006	C08G002/22
JP 2000095830 A	April 4, 2000		006	C08G002/22
US 6255440 B1	July 3, 2001		000	C08G002/22
EP 1120431 A1	August 1, 2001	E	000	C08G002/22
KR 2001052479 A	June 25, 2001		000	C08G002/22

DESIGNATED-STATES: CN KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 200005285A1	July 23, 1999	1999WO-JP03966	
CN 1310732A	July 23, 1999	1999CN-0809000	
JP2000038429A	July 24, 1998	1998JP-0209764	
JP2000095829A	July 22, 1999	1999JP-0207314	
JP2000095830A	July 22, 1999	1999JP-0207315	
US 6255440B1	July 23, 1999	1999WO-JP03966	
US 6255440B1	September 21, 2000	2000US-0646752	
US 6255440B1		WO 200005285	Based on
EP 1120431A1	July 23, 1999	1999EP-0931519	
EP 1120431A1	July 23, 1999	1999WO-JP03966	
EP 1120431A1		WO 200005285	Based on
KR2001052479A	December 1, 2000	2000KR-0713575	

INT-CL (IPC): C08 G 2/18; C08 G 2/22; C08 G 65/26

ABSTRACTED-PUB-NO: US 6255440B
BASIC-ABSTRACT:

NOVELTY - A copolyacetal obtained by copolymerizing (A) trioxane with at least (B) one compound selected from glycidyl ether compounds and (C) a cyclic ether compound copolymerizable with trioxane which is not (B), has high rigidity, excellent creep properties, high surface hardness and excellent sliding properties.

DETAILED DESCRIPTION - The amounts of (A), (B) and (C) are 100 pts wt, 0.01-10 pts.wt and 0-20 pts.wt. The glycidyl ether compounds are represented by general formula (I), (II) or (III).

R1 = 1-12C alkyl, aryl group or halogen atom;

n = 1, 2, 3, 4 or 5 for (I) and (II) and an integer between 0 and 20 for (III);

R2 = 2-20C polyalkyleneoxideglycol residue, or 1-20C alkylene group;

R3 = 1-12C alkylene aryl group or halogen atom;

R4 = 1-30C alkyl, or 2-20C alkenyl or alkinyl group;

R5 = 1-30C alkylene group.

USE - The resin is used as a structural material or part for electric instruments, automobile parts, machine parts, etc..

ADVANTAGE - The resin has excellent mechanical, and electrical characteristics, excellent moldability, etc. In particular the resin has excellent creep characteristics and high rigidity.
ABSTRACTED-PUB-NO:

WO 200005285A
EQUIVALENT-ABSTRACTS:

NOVELTY - A copolyacetal obtained by copolymerizing (A) trioxane with at least (B) one compound selected from glycidyl ether compounds and (C) a cyclic ether compound copolymerizable with trioxane which is not (B), has high rigidity, excellent creep properties, high surface hardness and excellent sliding properties.

DETAILED DESCRIPTION - The amounts of (A), (B) and (C) are 100 pts wt, 0.01-10 pts.wt and 0-20 pts.wt. The glycidyl ether compounds are represented by general formula (I), (II) or (III).

R1 = 1-12C alkyl, aryl group or halogen atom;

n = 1, 2, 3, 4 or 5 for (I) and (II) and an integer between 0 and 20 for (III);

R2 = 2-20C polyalkyleneoxideglycol residue, or 1-20C alkylene group;

R3 = 1-12C alkylene aryl group or halogen atom;

R4 = 1-30C alkyl, or 2-20C alkenyl or alkinyl group;

R5 = 1-30C alkylene group.

USE - The resin is used as a structural material or part for electric instruments, automobile parts, machine parts, etc.

ADVANTAGE - The resin has excellent mechanical, and electrical characteristics, excellent moldability, etc. In particular the resin has excellent creep characteristics and high rigidity.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: OBTAIN TRIOXANE GLYCIDYL ETHER COMPOUND CYCLIC ETHER COMPOUND HIGH RIGID CREEP PROPERTIES HIGH SURFACE HARD SLIDE PROPERTIES

DERWENT-CLASS: A25

CPI-CODES: A05-H; A05-H02A; A09-A05;

ENHANCED-POLYMER-INDEXING:
Polymer Index [1.1] 018 ; H0022 H0011 ; R00917 G4035 D01 D22 D23 D31 D46 D50 D76 D83 F24 ; G1592*R D01 D22 F34 H0215 ; H0260 ; P0055 ; L9999 L2528 L2506 ; P0248 P0226 D01 F24 ; P0975*R P0964 F34 D01 D10 ; S9999 S1434 ; L9999 L2517 L2506 ; L9999 L2006 ; L9999 L2200 ; L9999 L2744 L2733 Polymer Index [1.2] 018 ; H0022 H0011 ; R00917 G4035 D01 D22 D23 D31 D46 D50 D76 D83 F24 ; R01435 G4035 D01 D22 D23 D31 D46 D50 D75 D83 F24 H0215 ; H0260 ; P0055 ; L9999 L2528 L2506 ; P0248 P0226 D01 F24 ; P0975*R P0964 F34 D01 D10 ; S9999 S1434 ; L9999 L2517 L2506 ; L9999 L2006 ; L9999 L2200 ; L9999 L2744 L2733 Polymer Index [1.3] 018 ; H0022 H0011 ; R00917 G4035 D01 D22 D23 D31 D46 D50 D76 D83 F24 ; G1581 G1558 D01 F47 D11 D10 D19 D18 D23 D22 D32 D73 D76 D42 D50 D69 D89 D18*R D90 D91 D92 D93 D94 D95 F34 7A*R H0215 ; H0260 ; P0055 ; L9999 L2528 L2506 ; P0248 P0226 D01 F24 ; P0975*R P0964 F34 D01 D10 ; S9999 S1434 ; L9999 L2517 L2506 ; L9999 L2006 ; L9999 L2200 ; L9999 L2744 L2733 Polymer Index [1.4] 018 ; R00917 G4035 D01 D22 D23 D31 D46 D50 D76 D83 F24 ; G1592*R D01 D22 F34 H0215 ; R01435 G4035 D01 D22 D23 D31 D46 D50 D75 D83 F24 H0215 ; G1581 G1558 D01 F47 D11 D10 D19 D18 D23 D22 D32 D73 D76 D42 D50 D69 D89 D18*R D90 D91 D92 D93 D94 D95 F34 7A*R H0215 ; H0033 H0011 ; H0260 ; P0055 ; L9999 L2528 L2506 ; P0248 P0226 D01 F24 ; P0975*R P0964 F34 D01 D10 ; S9999 S1434 ; L9999 L2517 L2506 ; L9999 L2006 ; L9999 L2200 ; L9999 L2744 L2733 Polymer Index [1.5] 018 ; ND04 ; Q9999 Q7330*R ; Q9999 Q7885*R ; Q9999 Q9234 Q9212 ; Q9999 Q9289 Q9212 ; B9999 B3792 B3747 ; B9999 B5367 B5276 ; B9999 B3872 B3838 B3747 ; B9999 B4091*R B3838 B3747 ; B9999 B3930*R B3838 B3747 ; B9999 B3190*R ; B9999 B3747*R Polymer Index [1.6] 018 ; R00876 D01 D11 D10 D50 D61 D84 F34 B* 3A O* 6A F* 7A ; C999 C306 ; C999 C328 ; C999 C022 C000 Polymer Index [2.1] 018 ; D11 D10 D50 D82 D83 D84 D85 D86 D87 D88 D89 D90 D91 D92 D93 D94 D95 G1558*R D01 F47 ; H0191 ; P0055 ; M9999 M2153*R ; M9999 M2200 ; H0000 ; H0237*R ; P0975*R P0964 F34 D01 D10 ; M9999 M2084 ; M9999 M2175 Polymer Index [2.2] 018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73 D82 F47 ; H0000 ; H0191 ; P0055 ; P8004 P0975 P0964 D01 D10 D11 D50 D82 F34 ; M9999 M2153*R ; M9999 M2084 ; M9999 M2175 ; M9999 M2200

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C2000-053432